

Enhancing Disaster Risk Reduction Capabilities with Multifrequency, Multi-polarization, Very high-Resolution SAR Information

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The potential for wideband active/passive microwave satellite data could open a new era in water resources management as microwave signatures see through clouds (i.e., all-weather) and operate diurnally. Harris Corporation has led the development of a new instrument that provides co-aligned radiometric data at X-, K-, and Ka- bands and SAR data at X- and two Ku- bands for operational mapping of snow water equivalent. In this presentation, we will outline the current concept and provide experimental results from airborne field trials in 2018.

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